

## EUROMENE – Deliverable 2: Existing disease-specific bio-resources within the European Network on ME/CFS (EUROMENE)

Bio-resources features	Countries with collaborating institutions					
	Germany	Italy	Spain	Norway	France	UK
Number of donors with ME/CFS	500	100	1640	120	150	286
Number of donors in control groups	100	40	400 (FMS) 300 (Chronic pain) 300 (RA) 300 (MDD) 1250 (HC)	160 (healthy)	none	135 (healthy) 46 (multiple sclerosis) 46 (chronic fatigue non-ME/CFS)
Sample types	Blood	Blood Plasma FTA® DNA	Blood, urine, saliva	Blood, urine, saliva	Blood derivatives, CSF, urine	Blood derivatives
Data attached	Clinical data	Participation category (diagnosis)	>800 clinical, laboratory test results, and other variables	~700 clinical, laboratory test results and other variables	Diagnostic category	780 clinical laboratory test results and other variables at 2 time-points
Representativeness (care level)	Secondary care	Community	Community, primary, and tertiary outpatient care	Secondary care	Secondary care	Community, primary, secondary care
Representativeness Geography	Berlin Brandenburg	Lombardy/ North Italy	Barcelona, Granada and Valencia, Spain	Oslo	France	Greater London, East of England
Location	Berlin, Charité	Pavia University Laboratory	VHIR/Salamanca Hospital Valencia IBSP-CV Biobank Granada University	Oslo University Hospital	Henry Mondor University Hospital, Créteil	Royal Free Hospital Biobank, London
Expertise of participating institution	Immunology	Molecular biology, genetics immunology	Genetics, Immunology, Mitochondrial metabolism, transcriptomic and proteomic biomarkers, epidemiology/ clinical research, database	Genetics, autoimmunity/ immunology	Genetics, Immunology, Clinical imaging	Immunology, genetics, epidemiology, clinical research
Sources of funding	Various	Patients Association	Local associations of affected patients, private donations, Spanish Biobank Networking (ISC-III, Madrid, Spain)	Oslo University Hospital	University, Patients Association, private donations	NIH, various NGOs, private donations
Charities and other institutions supporting the bioresource	Lost voices, MERUK	AMCFS	ESTEVE Foundation	No	PICRI program	MEA, MERUK, ME Trust

ME/CFS - myalgic encephalomyelitis/chronic fatigue syndrome; FMS - fibromyalgia syndrome; RA - rheumatoid arthritis; MDD - Major depressive disorder; HC - healthy controls.  
VHIR - Vall d'Hebron Institute of Research; ISCIII - Instituto de Salud Carlos III; NIH - National Institutes of Health; NGOs - non-governmental organisations.  
MERUK - ME Research UK; AMCFS - Associazione Malati di CFS; MEA - ME Association; PICRI - Partenariat Institutions Citoyens pour la Recherche et l'Innovation.

Note: Data and samples from the bioresources have been mainly used by the hosting research groups. The UK group have opened the UK ME/CFS Biobank to external researchers, and samples and data are available to be used in ethically and peer-reviewed approved studies, fees for cost-recovery applies.